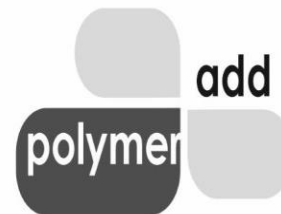


# Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



## TECHNICAL DATA SHEET

### COATGUARD MICROBLEND C65

Micronized Additive Blend for Architectural, Industrial, and Protective Coatings

#### Product Description

COATGUARD MICROBLEND C65 is a carefully engineered micronized additive system tailored for use in architectural paints, anti-corrosion primers, industrial DTM (direct-to-metal) coatings, and decorative coatings. It provides balanced matting, enhanced weather resistance, barrier performance, and improved film integrity without affecting color or gloss uniformity.

#### Micronized Ingredient Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Micronized Talc	14807-96-6	Matting agent, anti-settling, rheology control	35.00
Micronized Mica	12001-26-2	Barrier layer, flexibility, crack resistance	25.00
Calcium Carbonate (Fine Grade)	471-34-1	Extender, improves scrub resistance	15.00
Zinc Phosphate	7779-90-0	Anti-corrosion pigment	10.00
Barium Sulfate (Micronized)	7727-43-7	Opacity, gloss, UV/weather resistance	10.00
Micronized Polyethylene Wax	9002-88-4	Surface slip, scratch resistance, anti-mar	5.00
TOTAL			100.00

#### Physical Properties

Property	Value
Appearance	Fine white to pale gray powder
D50 Particle Size	< 10 $\mu\text{m}$
Bulk Density	0.40–0.55 g/cm <sup>3</sup>
Oil Absorption	30–50 g/100g
Compatibility	Acrylic, Alkyd, PU, Epoxy, Water-based & Solvent systems
Shelf Life	24 months from production date

#### Recommended Dosage

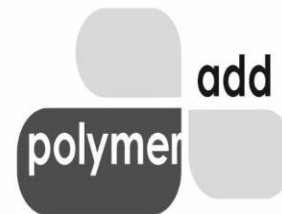
Use at 1.0% to 7.0% w/w of total formulation. For primers and anti-corrosion systems, dosage can be adjusted based on film build and corrosion class. For high-gloss topcoats, lower dosage (1–2%) is recommended.

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## Storage and Handling

Store in original packaging in a dry, well-ventilated area. Avoid contact with moisture and direct sunlight. Reseal bags immediately after opening. Handle with standard powder handling precautions.

## Packing Instructions

Packaging Format	Details
Standard Bag	10 kg PE-lined Kraft Paper Bag
Optional	5 kg HDPE double-sealed bags
Palletization	500 kg per pallet (50 bags x 10 kg)
labelling	Product Name, Batch No, Net Weight, MFG Date, Expiry Date
Storage Condition	≤ 30°C, RH < 60%, moisture-protected area

*This preblend is offered as a dry additive system designed for technical use in polymer processing. The user is responsible for determining the appropriate dosage, processing parameters, and compatibility with their specific polymer and equipment. Polymer Add Thailand shall not be liable for any consequential or incidental damages arising from incorrect use or unverified end-application performance*

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